

**SH-III/ZOO/301/C-5/19**

**B.Sc. 3rd Semester (Honours) Examination, 2019-20**

**ZOOLOGY**

**Course ID : 32611**

**Course Code : SH/ZOO/301/C-5**

**Course Title: Diversity of Chordata**

**Time: 1 Hour 15 Minutes**

**Full Marks: 25**

*The figures in the right hand side margin indicate full marks.  
Candidates are required to give their answers in their own words  
as far as practicable.*

1. Answer *any five* of the following: 1×5=5
- (a) What is retrogressive metamorphosis?
  - (b) What is Prong horn?
  - (c) Name the bones constituting the Weberian ossicle.
  - (d) Define plastron.
  - (e) Give one example of Parental Care in amphibia.
  - (f) What is wheel organ?
  - (g) What is Physostomous swim bladder?
  - (h) Name one limbless amphibia (scientific name).
2. Answer any two of the following: 5×2=10
- (a) Discuss the causes of migration in birds. 5
  - (b) Mention the Bernoulli's Principle. Briefly discuss the aerodynamics of bird's flight. 1+4=5
  - (c) Distinguish between Chondrichthyes and Osteichthyes. 5
  - (d) Briefly describe the structure and function of mammalian hair. 3+2=5
3. Answer *any one* of the following: 10×1=10
- (a) Classify Reptilia up to living order with examples (Scientific Name). 8+2=10
  - (b) Why platypus is recognised as mammal? What are vibrissae and mane? Draw and describe the structures found in an Ascidian Tadpole larva? Name the organs associated with the echolocation in cetaceans. 2+2+(1+4)+1=10
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